

Title (en)  
POSITIVE ELECTRODE PLATE AND ELECTROCHEMICAL DEVICE

Title (de)  
POSITIVE ELEKTRODENPLATTE UND ELEKTROCHEMISCHE VORRICHTUNG

Title (fr)  
PLAQUE D'ÉLECTRODE POSITIVE ET DISPOSITIF ÉLECTROCHIMIQUE

Publication  
**EP 3654419 B1 20220427 (EN)**

Application  
**EP 19177520 A 20190530**

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CN 201811367011 A 20181116

Abstract (en)  
[origin: EP3654419A1] The present invention relates to a positive electrode plate and an electrochemical device. The positive electrode plate comprises a current collector (10), a positive active material layer (14) and a safety coating (12) disposed between the current collector (10) and the positive active material layer (14), wherein the safety coating (12) comprises a polymer matrix, a conductive material and an inorganic filler, wherein the polymer matrix comprises at least two types of polymer materials, and the first type of polymer material is fluorinated polyolefin and/or chlorinated polyolefin, and the solubility of the second type of polymer material in oil solvent is smaller than the solubility of the first type of polymer material; and the weight percentage of the first type of polymer material relative to the total weight of the polymer matrix, the conductive material and the inorganic filler is 17.5% or more. The positive electrode plate improves high temperature safety of electrochemical device.

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CPC (source: CN EP US)  
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**H01M 10/4235** (2013.01 - CN US); **H01M 50/581** (2021.01 - US); **H01G 11/70** (2013.01 - US); **H01M 2004/028** (2013.01 - CN EP US);  
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Cited by  
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